

QUERY CONTROL FORM			RTIS USE ONLY		
Application No.	10/075,432	Prepared by	CCH	Tracking Number	05873966
Examiner-GAU	Ullah-2874	Date	1/7/03	Week Date	12/8/03
		No. of queries	1		TFW

SPECIFICATION		MESSAGE
a. Page Missing		<p><i>On Claim 2 ends with a semi-colon. Please correct</i></p>
b. Text Continuity		
c. Holes through Data		
d. Other Missing Text		
e. Illegible Text		
f. Duplicate Text		
g. Brief Description		
h. Sequence Listing		
i. Appendix		
j. Amendments		
k. Other		
CLAIMS		
a. Claim(s) Missing		<p><i>Thank you</i></p>
b. Improper Dependency		
c. Duplicate Numbers		
d. Incorrect Numbering		
e. Index Disagrees		initials <i>COA</i>
f. Punctuation		RESPONSE <i>Completed.</i>
g. Amendments		<i>Anulla</i> <i>4/7/04</i>
h. Bracketing		
i. Missing Text		
j. Duplicate Text		
k. Other		
		initials

What is claimed is:

1. An extendable four-port circulator comprising:

a middle birefringent crystal;

a first birefringent crystal;

5 a first non-reciprocal device coupled to the first birefringent crystal;

a second birefringent crystal;

a second non-reciprocal device coupled to the second birefringent crystal; and

wherein the middle birefringent crystal having

a first surface coupled to the first non-reciprocal device,

a second surface coupled to the second non-reciprocal device,

a third surface defining a first and a second extension interfaces, and

a fourth surface defining a third and a fourth extension interfaces.

2. The extendable four-port circulator of claim 1 further comprising

10 a first dual fiber collimator coupled to the first birefringent crystal and adapted to be coupled to a first fiber and a third fiber;

15 a second dual fiber collimator coupled to the second birefringent crystal and adapted to be coupled to a second fiber and a fourth fiber.

20 3. The extendable four-port circulator of claim 2 further comprising a first wedge placed at a position selected from the group consisting of:

a position between the first dual fiber collimator and the first non-reciprocal device, and

a position between the first non-reciprocal device and the middle birefringent crystal.

25 4 The extendable four-port circulator of claim 3 further comprising a second wedge placed at a position selected from the group consisting of:

a position between the second dual fiber collimator and the second non-reciprocal device,

and

a position between the second non-reciprocal device and the middle birefringent crystal.

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